

Name_____ Period_____

Geometry Unit 8 Worksheet #2

For #1-6, find the sum of the interior angles, one interior angle, sum of the exterior angles and one exterior angle in the regular polygon.

1.



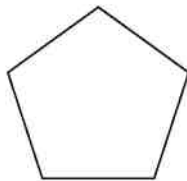
sum of int \angle _____

one int \angle _____

sum of ext \angle _____

one ext \angle _____

2.



sum of int \angle _____

one int \angle _____

sum of ext \angle _____

one ext \angle _____

3.



sum of int \angle _____

one int \angle _____

sum of ext \angle _____

one ext \angle _____

4. regular 15-gon

sum of int \angle _____

one int \angle _____

sum of ext \angle _____

one ext \angle _____

5. regular 11-gon

sum of int \angle _____

one int \angle _____

sum of ext \angle _____

one ext \angle _____

6. regular 13-gon

sum of int \angle _____

one int \angle _____

sum of ext \angle _____

one ext \angle _____

For #7-12, The measure of an exterior angle of a regular polygon is given. Find the number of sides.

7. 12°

8. 6°

9. 45°

10. 40°

11. 24°

12. 18°

For #13-18, the sum of the measures of the interior angles of a polygon is given. Find the number of sides.

13. 180°

14. 540°

15. 900°

16. 2520°

17. 3960°

18. 5940°